

# 6212E ROLLER



The tandem roller is used to smooth out and compact asphalt or blacktop before it cools and hardens. The steel drums or rollers the machine rides on are often cooled with a stream of water in order to prevent the pavement from sticking to the rollers. the tandem roller is a machine which requires skill in operating to assure that each pass slightly overlaps the pass prior to it. By overlapping each pass, the roller operator is able to maintain a uniform thickness to the surface and avoid any dips or high-spots.



Engine	Cummins QSB4.5
Gross Power	113 kW (152hp) @ 2,200 rpm
Vibration Frequency Range	50/45Hz (67/50Hz)
Centrifugal Force Range	140/85kN (159/103kN)
Working Width	2,130mm
Operating Weight	12,500 Kg



**TOUGH WORLD. TOUGH EQUIPMENT.**

# 6212E SPECIFICATIONS >>>



## ENGINE

Emission Regulation	Tier 3 / Stage III
Make	Cummins
Model	QSB4.5
Gross Power	113 kW (152hp) @ 2,200 rpm
Peak Torque	549 N • m
Number of Cylinders	4
Aspiration	Turbo-air-to-air aftercooled
Cooling Type	Water

## ELECTRICAL SYSTEM

System Voltage	24 V
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## DRIVE TRAIN

Theoretical Gradeability, without/ with Vibration	40%
Transmission Type	Hydrostatic
Maximum Speed, fwd	12 km/h
Inside Turning Radius	<4,640mm
Outside Turning Radius	<6,770 mm

## AXLES

Steering System	Hydraulic
Steering Method	Articulation
Steering Angle	±35°
Steering Relief Pressure	16 MPa

## BRAKES

Service Brake Type	Hydraulic
Service Brake Actuation	Hydraulic
Parking Brake Actuation	Mechanical apply, hydraulic release

## HYDRAULIC SYSTEM

Main Pump Type	Piston pump + Piston pump
Main Relief Pressure	42 +35 MPa

## PERFORMANCE

Static Linear Front Drum Load	293N/CM
Number of Vibrating Drums	2
Nominal Amplitude Range	0.75 / 0.4 mm
Vibration Frequency Range	50 / 45 Hz (67/50Hz)
Centrifugal Force Range	145/85kN (159/ 103 kN)
Number of Amplitude Settings	2

## OPERATING WEIGHTS

Operating Weight with Ballast	12,500 kg
Weight on Front Drum	6,250 kg
Weight on Tires	6,250 kg

## SERVICE CAPACITIES

Fuel Tank	220 L
Engine Oil	12 L
Cooling System	22 L

## OPTIONAL EQUIPMENT

Rotary Beacon
Compaction Meter
GPS
A=3585mm T=18mm K=320mm v φ D=1300mm H=3170mm
L=5050mm C=650mm W=2130mm B=2280mm

